I. Amendments to the Claims

This listing of claims will replace all prior versions and listings of claims in the application:

Listing of Claims

Claim 1. (currently amended) An ~~A circuitry configuration for an~~ electromagnetic regeneration valve for venting a tank of a motor vehicle, the regeneration valve being actuatable by pulse-width modulation and ~~including~~ having a pulsed mode and a proportional mode having a higher frequency than the pulsed mode comprising:

a solenoid, ~~the~~ and circuitry configuration ~~comprising~~ including:

a power source for supplying the solenoid with electricity;

a control unit for generating pulse-width-modulated signals;

a switching device, the solenoid capable of receiving the pulse-width-modulated signals of the control unit via the switching device; and

a suppression device for suppressing high induced voltages at the solenoid, the solenoid in the proportional mode having a position corresponding to a mean current level.

Claim 2. (currently amended) The ~~circuitry configuration~~ electromagnetic regeneration valve as recited in claim 1, wherein the suppression device includes a free-wheeling diode connected in parallel to the solenoid.

Claim 3. (currently amended) The ~~circuitry configuration~~ electromagnetic regeneration valve as recited in claim 1, wherein the regeneration valve is actuatable in ~~a~~ the proportional mode with a pulse frequency of between 20 Hz and 200 Hz.

Claim 4. (currently amended) The ~~circuitry configuration~~ electromagnetic regeneration valve as recited in claim 3, wherein the regeneration valve is actuatable with a pulse frequency of about 50 Hz.

Claim 5. (currently amended) The ~~circuitry configuration~~ electromagnetic regeneration valve as recited in claim 1, wherein the power source includes the vehicle's electrical system.

Claim 6. (currently amended) The ~~circuitry configuration~~ electromagnetic regeneration valve as recited in claim 1, wherein the control unit includes ~~the~~ an engine controller.

Claim 7. (currently amended) The ~~circuitry configuration~~ electromagnetic regeneration valve as recited in claim 1, wherein the switching device includes a power transistor.

Claim 8. (currently amended) The ~~circuitry configuration~~ electromagnetic regeneration valve as recited in claim 7, further comprising a further diode connected in parallel to the power transistor.